Katie M. Brown
Counsel

Duke Energy
40 W. Broad Street
DSC 556
Greenville, SC 29601

O: 864-370-5296
F: 864-370-5027

Katie.Brown2@duke-energy.com

February 28, 2020

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of January 2020.

Sincerely,

Katie M. Brown

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item		January 2020
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	104,685,416
	MWH sales:		
2	Total System Sales		5,599,272
3	Less intersystem sales		474,672
4	Total sales less intersystem sales		5,124,600
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.0428
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.5112
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		228,853
8	Oil		7,719
9	Natural Gas - Combustion Turbine		136,760
10	Natural Gas - Combined Cycle		1,960,471
11	Biogas		1,772
12	Total Fossil		2,335,575
13	Nuclear		2,744,381
14	Hydro - Conventional		85,717
15	Solar Distributed Generation		17,112
16	Total MWH generation		5,182,785

Note: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		January 2020
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	8,590,917
0501310 fuel oil consumed - steam		835,033
Total Steam Generation - Account 501		9,425,950
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		16,002,169
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		(543,806)
0547000 natural gas capacity - Combustion Turbine		(20,987)
0547000 natural gas consumed - Combined Cycle		44,096,336
0547000 natural gas capacity - Combined Cycle		13,156,122
0547106 biogas consumed - Combined Cycle		94,557
0547200 fuel oil consumed		813,504
Total Other Generation - Account 547		57,595,726
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		25,821,695
Fuel and fuel-related component of DERP purchases		9,761
PURPA purchased power capacity		4,804,320
DERP purchased power capacity		2,189
Total Purchased Power and Net Interchange - Account 555		30,637,964
Less:		
Fuel and fuel-related costs recovered through intersystem sales		9,349,722
Solar Integration Charge		(531)
Total Fuel Credits - Accounts 447/456		9,349,191
Total Costs Included in Base Fuel Component	$	104,312,617
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	1,090
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		414,878
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		27,785
Less emissions expense recovered through intersystem sales - Account 447		15,384
Total Costs Included in Environmental Component		372,799
Fuel and Fuel-related Costs excluding DERP incremental costs	$	104,685,416
DERP Incremental Costs		226,534
Total Fuel and Fuel-related Costs	$	104,911,950

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

Description		January 2020
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	1,169
Shared Solar Program		44
Total DERP Avoided Costs		1,213
DERP Incremental Costs		
Purchased Power Agreements		201
DERP NEM Incentive		102,127
Solar Rebate Program - Amortization		46,900
Solar Rebate Program - Carrying Costs		40,479
Shared Solar Program		(475)
NEM Avoided Capacity Costs		3,339
NEM Meter Costs		10,195
General and Administrative Expenses		23,755
Interest on under-collection due to cap		13
Total DERP Incremental Costs	$	226,534

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

JANUARY 2020

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 2,730,068	$ 2,282,671	3,341	$ 447,397	-
City of Fayetteville	1,152,638	1,053,000	-	99,638	-
Haywood EMC	28,550	28,550	-	-	-
NCEMC	4,831,994	4,482,494	9,649	349,500	-
PJM Interconnection, LLC.	(636,458)	-	(23,709)	(636,458)	-
Southern Company Services	5,526,292	1,832,863	157,890	3,693,429	-
DE Carolinas - Native Load Transfer	1,021,809	-	42,597	1,012,248	$ 9,561
DE Carolinas - Native Load Transfer Benefit	166,606	-	-	166,606	-
Energy Imbalance	8,811	-	403	8,105	706
Generation Imbalance	597	-	33	364	233
	$ 14,830,907	**$ 9,679,578**	**190,204**	**$ 5,140,829**	**$ 10,500**
Act 236 PURPA Purchases					
Renewable Energy	$ 14,955,460	-	215,697	$ 14,955,460	-
DERP Qualifying Facilities	11,950	-	233	11,950	-
Other Qualifying Facilities	10,529,725	-	196,588	10,529,725	-
	$ 25,497,135	**-**	**412,518**	**$ 25,497,135**	**-**
Total Purchased Power	**$ 40,328,042**	**$ 9,679,578**	**602,722**	**$ 30,637,964**	**$ 10,500**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

JANUARY 2020

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 902,371	$ 652,500	8,755	$ 200,447	$ 49,424
PJM Interconnection, LLC.	89,553	-	4,825	86,790	2,763
Other:					
DE Carolinas - Native Load Transfer Benefit	1,821,507	-	-	1,821,507	-
DE Carolinas - Native Load Transfer	7,596,418	-	461,086	7,284,147	312,271
Generation Imbalance	-	-	6	-	-
Total Intersystem Sales	**$ 10,409,849**	**$ 652,500**	**474,672**	**$ 9,392,891**	**$ 364,458**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
January 2020

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,124,599,524
2	DERP Net Metered kWh generation	Input					2,878,147
3	Adjusted System kWh sales	L1 + L2					5,127,477,671
4	Actual S.C. Retail kWh sales	Input	187,799,610	22,816,346	302,948,960	6,431,274	519,996,190
5	DERP Net Metered kWh generation	Input	1,294,457	26,492	1,557,199		2,878,147
6	Adjusted S.C. Retail kWh sales	L4 + L5	189,094,067	22,842,838	304,506,159	6,431,274	522,874,337
7	Actual S.C. Demand units (kw)	L32 / 31b *100			675,070		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$86,361,212
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$92,417
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$86,453,629
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					1.686
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$3,188,287	$385,150	$5,134,232	$108,437	$8,816,106
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($56,289)	($5,883)	($30,245)	$0	($92,417)
14	S.C. Retail portion of incurred system expense	L12 + L13	$3,131,998	$379,267	$5,103,987	$108,437	$8,723,689
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.076	2.075	2.075	2.075	2.075
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,897,943	$473,439	$6,286,191	$133,449	$10,791,022
17	DERP NEM incentive - fuel component	Input	($10,005)	($1,046)	($5,376)	$0	($16,427)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,887,938	$472,393	$6,280,815	$133,449	$10,774,595
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($755,940)	($93,126)	($1,176,828)	($25,012)	($2,050,906)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($755,940)	($93,126)	($1,176,828)	($25,012)	($2,050,906)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.590	0.508			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			88		
23	Incurred S.C. base fuel - capacity expense	Input	$1,108,716	$115,871	$595,740		$1,820,327
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.692	0.522			
24b	Billed base fuel - capacity rate (¢/kW)	Input			92		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,299,936	$119,101	$ 621,195	$0	$2,040,232
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	($191,220)	($3,230)	($25,455)	$0	($219,905)
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	($191,220)	($3,230)	($25,455)	$0	($219,905)
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.012	0.011			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			2		
30	Incurred S.C. environmental expense	Input	$23,040	$2,408	$12,380		$37,828
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.074	0.057			
31b	Billed environmental rate (¢/kW)	Input			10		
32	Billed S.C. environmental revenue	L31a * L4 /100	$139,878	$13,005	$ 67,507		$220,390
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	($116,838)	($10,597)	($55,127)	$0	($182,562)
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($116,838)	($10,597)	($55,127)	$0	($182,562)
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.000	0.000			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.059		
37	Incurred S.C. DERP avoided cost expense	Input	$739	$77	$397		$1,213
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.003	0.003			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$5,595	$684	$0		$6,279
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	($4,856)	($607)	$397	$0	($5,066)
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	($4,856)	($607)	$397	$0	($5,066)
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($1,068,854)	($107,560)	($1,257,013)	($25,012)	($2,458,439)

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
January 2020

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$13,424,397					
March 2019 - actual	13,142,207	(113,956)	(15,296)	(148,555)	(4,383)	($282,190)
April 2019 - actual	12,482,712	(178,213)	(25,629)	(447,263)	(8,390)	(659,495)
May 2019 - actual	12,391,437	(39,695)	(9,623)	(40,702)	(1,255)	(91,275)
June 2019 - actual	11,820,549	(204,177)	(33,436)	(326,075)	(7,200)	(570,888)
July 2019 - actual	11,960,164	30,794	2,958	104,254	1,609	139,615
August 2019 - actual	12,138,158	50,982	6,141	118,902	1,969	177,994
September 2019 - actual	12,149,907	(5,068)	(2,111)	18,664	264	11,749
October 2019 - actual	11,737,925	(133,360)	(23,159)	(250,457)	(5,006)	(411,982)
November 2019 - actual	13,112,022	421,754	66,634	865,157	20,552	1,374,097
December 2019 - actual	12,259,051	(336,447)	(44,004)	(461,528)	(10,992)	(852,971)
January 2020 - actual	10,208,145	(755,940)	(93,126)	(1,176,828)	(25,012)	(2,050,906)
_/5 February 2020 - forecast	9,093,710	(449,048)	(47,035)	(603,928)	(14,424)	(1,114,435)
_/5 March 2020 - forecast	8,242,809	(315,215)	(38,779)	(485,292)	(11,615)	(850,901)
_/5 April 2020 - forecast	6,093,299	(677,876)	(108,128)	(1,331,673)	(31,833)	(2,149,510)
_/5 May 2020 - forecast	4,921,886	(331,416)	(61,776)	(760,065)	(18,156)	(1,171,413)
_/5 June 2020 - forecast	$ 4,752,788	($53,326)	($8,490)	($104,793)	($2,489)	($169,098)

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$574,929					
March 2019 - actual	320,452	(158,950)	9,884	(105,411)	0	($254,477)
April 2019 - actual	800,238	332,772	51,683	95,331	0	479,786
May 2019 - actual	924,824	125,236	18,384	(19,034)	0	124,586
June 2019 - actual	844,129	(99,572)	(1,971)	20,848	0	(80,695)
July 2019 - actual	1,259,813	196,610	25,312	193,762	0	415,684
August 2019 - actual	2,465,773	642,873	56,685	506,402	0	1,205,960
September 2019 - actual	2,674,275	77,548	(4,581)	135,535	0	208,502
October 2019 - actual	2,816,302	164,898	(4,727)	(18,144)	0	142,027
November 2019 - actual	3,042,516	180,886	3,234	42,094	0	226,214
December 2019 - actual	2,626,937	(315,125)	(20,869)	(79,585)	0	(415,579)
January 2020 - actual	2,407,032	(191,220)	(3,230)	(25,455)	0	(219,905)
_/5 February 2020 - forecast	1,884,738	(506,119)	(3,085)	(13,090)	0	(522,294)
_/5 March 2020 - forecast	1,783,590	(108,014)	14,689	(7,823)	0	(101,148)
_/5 April 2020 - forecast	2,167,257	256,657	19,529	107,481	0	383,667
_/5 May 2020 - forecast	2,520,496	350,538	12,041	(9,340)	0	353,239
_/5 June 2020 - forecast	$ 2,497,816	$66,293	($565)	($88,408)	$0	($22,680)

Year 2019-2020

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$199,207					
March 2019 - actual	275,991	40,490	5,702	30,592	0	$76,784
April 2019 - actual	324,903	24,694	3,770	20,448	0	48,912
May 2019 - actual	427,128	57,448	6,955	37,822	0	102,225
June 2019 - actual	515,935	46,245	6,142	36,420	0	88,807
July 2019 - actual	585,999	35,423	4,025	30,616	0	70,064
August 2019 - actual	533,582	(41,088)	(5,683)	(5,646)	0	(52,417)
September 2019 - actual	496,704	(27,209)	(4,454)	(5,215)	0	(36,878)
October 2019 - actual	392,969	(54,170)	(8,236)	(41,329)	0	(103,735)
November 2019 - actual	331,861	(32,108)	(5,216)	(23,784)	0	(61,108)
December 2019 - actual	287,628	(33,088)	(2,358)	(8,787)	0	(44,233)
January 2020 - actual	105,066	(116,838)	(10,597)	(55,127)	0	(182,562)
_/5 February 2020 - forecast	115,008	(13,629)	3,737	19,834	0	9,942
_/5 March 2020 - forecast	43,895	(47,707)	(2,388)	(21,018)	0	(71,113)
_/5 April 2020 - forecast	(111,898)	(91,875)	(10,585)	(53,333)	0	(155,793)
_/5 May 2020 - forecast	(244,347)	(65,502)	(9,693)	(57,254)	0	(132,449)
_/5 June 2020 - forecast	$ (317,437)	($35,263)	($4,701)	($33,126)	$0	($73,090)

Year 2019-2020

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$19,288					
March 2019 - actual	17,381	(2,803)	(12)	908	0	($1,907)
April 2019 - actual	21,608	1,112	352	2,763	0	4,227
May 2019 - actual	24,699	471	253	2,367	0	3,091
June 2019 - actual	28,250	252	306	2,993	0	3,551
July 2019 - actual	25,974	(3,344)	(290)	1,358	0	(2,276)
August 2019 - actual	21,827	(4,411)	(739)	1,003	0	(4,147)
September 2019 - actual	24,134	(329)	(311)	2,947	0	2,307
October 2019 - actual	24,317	(1,209)	(413)	1,805	0	183
November 2019 - actual	23,299	(1,750)	(409)	1,141	0	(1,018)
December 2019 - actual	18,628	(4,610)	(610)	549	0	(4,671)
January 2020 - actual	13,562	(4,856)	(607)	397	0	(5,066)
_/5 February 2020 - forecast	16,580	784	116	2,118	0	3,018
_/5 March 2020 - forecast	20,564	1,935	135	1,914	0	3,984
_/5 April 2020 - forecast	26,792	3,649	170	2,409	0	6,228
_/5 May 2020 - forecast	33,303	4,259	157	2,095	0	6,511
_/5 June 2020 - forecast	$ 37,531	$2,612	$51	$1,565	$0	$4,228

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
January 2020

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$137,766	$54,532	$33,890	$226,188
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	2.02	99.56	
46	Billed S.C. DERP incremental revenue	Input	$138,859	$65,108	$27,034	$231,001
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	($1,093)	($10,576)	$6,856	($4,813)
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	($1,093)	($10,576)	$6,856	($4,813)

Year 2019-2020 Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2019	$6,239	
March 2019 - actual	107,362	$101,123
April 2019 - actual	(62,019)	(169,381)
May 2019 - actual	13,138	75,157
June 2019 - actual	48,966	35,828
July 2019 - actual	95,723	46,757
August 2019 - actual	82,651	(13,072)
September 2019 - actual	85,703	3,052
October 2019 - actual	73,484	(12,219)
November 2019 - actual	65,969	(7,515)
December 2019 - actual	60,038	(5,931)
January 2020 - actual	55,225	(4,813)
_/5 February 2020 - forecast	51,780	(3,445)
_/5 March 2020 - forecast	73,793	22,013
_/5 April 2020 - forecast	115,434	41,641
_/5 May 2020 - forecast	159,553	44,119
_/5 June 2020 - forecast	$207,927	$48,374

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/5 Forecast amounts based on low end of range of expected fuel rates.

Description	Asheville Steam	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)								
Coal	$175,865	$6,170,167	$31,853,184	-	-	-	-	-
Oil	2,023,947	207,575	681,910	$158,191	-	-	-	-
Gas - CC	-	-	-	8,156,259	$22,264,969	$11,839,609	$14,991,621	-
Gas - CT	-	-	-	712,671	(1,861,104)	342,996	-	-
Biogas	-	-	-	-	492,543	-	-	-
Total	$2,199,812	$6,377,742	$32,535,094	$9,027,121	$20,403,865	$12,182,605	$14,991,621	-
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	499.79	436.00	-	-	-	-	-
Oil	1,401.64	1,433.43	1,432.73	1,550.74	-	-	-	-
Gas - CC	-	-	-	419.02	325.49	414.15	355.35	-
Gas - CT	-	-	-	372.66	-	515.27	-	-
Biogas	-	-	-	-	3,584.48	-	-	-
Weighted Average	1,523.43	510.62	442.45	414.87	325.24	416.45	355.35	-
Cost of Fuel Burned ($)								
Coal	$327,147	$246,751	$8,017,019	-	-	-	-	-
Oil - CC	-	-	-	$158,191	-	-	-	-
Oil - Steam/CT	3,873	126,098	705,062	139,904	$149,330	$30,434	-	$22,284
Gas - CC	-	-	-	8,156,259	22,264,969	11,839,609	$14,991,621	-
Gas - CT	-	-	-	712,671	(1,861,104)	342,996	-	-
Biogas	-	-	-	-	492,543	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Total	$331,020	$372,849	$8,722,081	$9,167,025	$21,045,738	$12,213,039	$14,991,621	$22,284
Average Cost of Fuel Burned (¢/MBTU)								
Coal	174.88	331.73	344.76	-	-	-	-	-
Oil - CC	-	-	-	1,538.67	-	-	-	-
Oil - Steam/CT	1,295.32	1,469.16	1,449.34	1,521.85	1,662.55	2,061.92	-	1,685.60
Gas - CC	-	-	-	419.02	325.49	414.15	355.35	-
Gas - CT	-	-	-	372.66	-	515.27	-	-
Biogas	-	-	-	-	3,584.48	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Weighted Average	176.67	449.41	367.40	424.95	326.62	417.28	355.35	1,685.60
Average Cost of Generation (¢/kWh)								
Coal	2.13	-	3.73	-	-	-	-	-
Oil - CC	-	-	-	15.53	-	-	-	-
Oil - Steam/CT	13.94	-	15.50	20.28	18.74	20.73	-	-
Gas - CC	-	-	-	3.29	3.04	2.95	2.59	-
Gas - CT	-	-	-	4.77	(1.71)	5.08	-	-
Biogas	-	-	-	-	27.80	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Weighted Average	2.15	-	3.97	3.47	2.49	3.00	2.59	-
Burned MBTU's								
Coal	187,065	74,382	2,325,364	-	-	-	-	-
Oil - CC	-	-	-	10,281	-	-	-	-
Oil - Steam/CT	299	8,583	48,647	9,193	8,982	1,476	-	1,322
Gas - CC	-	-	-	1,946,497	6,840,417	2,858,748	4,218,805	-
Gas - CT	-	-	-	191,239	(419,714)	66,566	-	-
Biogas	-	-	-	-	13,741	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Total	187,364	82,965	2,374,011	2,157,210	6,443,426	2,926,790	4,218,805	1,322
Net Generation (mWh)								
Coal	15,373	(1,460)	214,940	-	-	-	-	-
Oil - CC	-	-	-	1,019	-	-	-	-
Oil - Steam/CT	28	(169)	4,548	690	797	147	-	(42)
Gas - CC	-	-	-	247,575	732,829	400,744	579,322	-
Gas - CT	-	-	-	14,927	108,976	6,750	-	-
Biogas	-	-	-	-	1,772	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	15,401	(1,629)	219,488	264,211	844,374	407,641	579,322	(42)
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$27,371	-	-	-
Limestone	$41,790	$7,366	$226,187	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	501	10,734	91,505	-	-	-	-	-
Urea	9,424	-	-	-	-	-	-	-
Total	$51,715	$18,100	$317,692	-	$27,371	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME January 2020
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$38,199,216	$399,116,168
Oil	-	-	-	$18,018	$36,311	$22,551	3,148,503	13,868,633
Gas - CC	-	-	-	-	-	-	57,252,458	550,363,086
Gas - CT	-	$240,628	$16	-	-	-	(564,793)	83,034,944
Biogas	-	-	-	-	-	-	492,543	2,005,994
Total	-	$240,628	$16	$18,018	$36,311	$22,551	$98,527,927	$1,048,388,825
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	447.28	339.41
Oil	-	-	-	1,735.84	1,748.24	2,172.54	1,425.77	1,486.50
Gas - CC	-	-	-	-	-	-	360.88	385.54
Gas - CT	-	318.33	-	-	-	-	-	375.31
Biogas	-	-	-	-	-	-	3,584.48	2,823.63
Weighted Average	-	318.33	-	1,735.84	1,748.24	2,172.54	401.44	369.86
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$8,590,917	$330,233,666
Oil - CC	-	-	-	-	-	-	158,191	524,069
Oil - Steam/CT	$285,233	-	$28,128	-	-	-	1,490,346	11,552,523
Gas - CC	-	-	-	-	-	-	57,252,458	550,363,086
Gas - CT	-	$240,628	16	-	-	-	(564,793)	83,034,944
Biogas	-	-	-	-	-	-	492,543	2,005,994
Nuclear	-	-	-	$8,480,720	$4,219,157	$3,302,292	16,002,169	177,060,090
Total	$285,233	$240,628	$28,144	$8,480,720	$4,219,157	$3,302,292	$83,421,830	$1,154,774,372
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	332.10	342.62
Oil - CC	-	-	-	-	-	-	1,538.67	1,562.99
Oil - Steam/CT	1,725.86	-	1,590.95	-	-	-	1,539.66	1,453.23
Gas - CC	-	-	-	-	-	-	360.88	385.54
Gas - CT	-	318.33	-	-	-	-	-	375.31
Biogas	-	-	-	-	-	-	3,584.48	2,823.63
Nuclear	-	-	-	57.43	56.40	55.67	56.79	59.04
Weighted Average	1,725.86	318.33	1,591.86	57.43	56.40	55.67	178.77	205.46
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.75	3.73
Oil - CC	-	-	-	-	-	-	15.53	15.71
Oil - Steam/CT	43.68	-	57.40	-	-	-	22.24	18.36
Gas - CC	-	-	-	-	-	-	2.92	2.86
Gas - CT	-	3.93	-	-	-	-	(0.41)	3.55
Biogas	-	-	-	-	-	-	27.80	19.41
Nuclear	-	-	-	0.60	0.57	0.56	0.58	0.62
Weighted Average	43.68	3.93	80.41	0.60	0.57	0.56	1.61	1.92
Burned MBTU's								
Coal	-	-	-	-	-	-	2,586,811	96,384,839
Oil - CC	-	-	-	-	-	-	10,281	33,530
Oil - Steam/CT	16,527	-	1,768	-	-	-	96,797	794,954
Gas - CC	-	-	-	-	-	-	15,864,467	142,752,406
Gas - CT	-	75,590	-	-	-	-	(86,319)	22,124,073
Biogas	-	-	-	-	-	-	13,741	71,043
Nuclear	-	-	-	14,766,269	7,480,663	5,931,657	28,178,589	299,893,699
Total	16,527	75,590	1,768	14,766,269	7,480,663	5,931,657	46,664,367	562,054,544
Net Generation (mWh)								
Coal	-	-	-	-	-	-	228,853	8,865,223
Oil - CC	-	-	-	-	-	-	1,019	3,336
Oil - Steam/CT	653	-	49	-	-	-	6,701	62,920
Gas - CC	-	-	-	-	-	-	1,960,471	19,250,222
Gas - CT	-	6,121	(14)	-	-	-	136,760	2,341,770
Biogas	-	-	-	-	-	-	1,772	10,337
Nuclear	-	-	-	1,413,655	743,483	587,243	2,744,381	28,753,951
Hydro (Total System)							85,717	668,772
Solar (Total System)							17,112	255,366
Total	653	6,121	35	1,413,655	743,483	587,243	5,182,785	60,211,897
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$27,371	$1,992,571
Limestone	-	-	-	-	-	-	275,343	10,544,882
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	102,740	3,118,661
Urea	-	-	-	-	-	-	9,424	870,705
Total	-	-	-	-	-	-	$414,878	$16,526,819

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
January 2020

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	539,853	1,045,826	22,674	-	-	-	-
Tons received during period	49,072	294,208	-	-	-	-	-
Inventory adjustments	-	-	23,980	-	-	-	-
Tons burned during period	2,951	92,686	7,494	-	-	-	-
Ending balance	585,974	1,247,348	39,160	-	-	-	-
MBTUs per ton burned	25.21	25.09	24.96	-	-	-	-
Cost of ending inventory ($/ton)	83.62	86.49	43.65	-	-	-	-
Oil Data:							
Beginning balance	260,334	438,442	3,601,999	8,075,936	2,620,038	-	771,806
Gallons received during period	104,934	344,889	1,120,290	-	-	-	-
Miscellaneous use and adjustments	(1,158)	(7,500)	(1,213)	-	(669)	-	-
Gallons burned during period	62,267	351,442	142,632	64,154	10,852	-	9,419
Ending balance	301,843	424,389	4,578,444	8,011,782	2,608,517	-	762,388
Cost of ending inventory ($/gal)	2.03	2.01	2.09	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	2,073,442	6,211,993	2,829,846	4,081,200	-
MCF burned during period	-	-	2,073,442	6,211,993	2,829,846	4,081,200	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	13,279	-	-	-
MCF burned during period	-	-	-	13,279	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	13,789	110,651	5,400	-	-	-	-
Tons received during period	-	14,519	625	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	139	5,528	646	-	-	-	-
Ending balance	13,650	119,642	5,379	-	-	-	-
Cost of ending inventory ($/ton)	53.45	38.08	64.34	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
January 2020

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME January 2020
Coal Data:								
Beginning balance	-	-	-	-	-	-	1,608,353	995,967
Tons received during period	-	-	-	-	-	-	343,280	4,657,190
Inventory adjustments	-	-	-	-	-	-	23,980	63,924
Tons burned during period	-	-	-	-	-	-	103,131	3,844,599
Ending balance	-	-	-	-	-	-	1,872,482	1,872,482
MBTUs per ton burned	-	-	-	-	-	-	25.08	25.07
Cost of ending inventory ($/ton)	-	-	-	-	-	-	84.70	84.70
Oil Data:								
Beginning balance	10,202,103	11,355,102	614,533	157,153	286,993	78,040	38,462,479	38,454,500
Gallons received during period	-	-	-	7,522	15,050	7,523	1,600,208	6,760,669
Miscellaneous use and adjustments	-	-	-	-	-	-	(10,540)	(193,056)
Gallons burned during period	119,198	-	12,634	-	20,039	7,523	800,160	5,770,125
Ending balance	10,082,905	11,355,102	601,899	164,675	282,004	78,040	39,251,988	39,251,988
Cost of ending inventory ($/gal)	2.39	2.40	2.23	2.35	2.35	2.35	2.36	2.36
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	73,117	-	-	-	-	15,269,598	159,831,714
MCF burned during period	-	73,117	-	-	-	-	15,269,598	159,831,714
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	13,279	68,877
MCF burned during period	-	-	-	-	-	-	13,279	68,877
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	129,840	88,830
Tons received during period	-	-	-	-	-	-	15,144	272,648
Inventory adjustments	-	-	-	-	-	-	-	12,499
Tons consumed during period	-	-	-	-	-	-	6,313	235,306
Ending balance	-	-	-	-	-	-	138,671	138,671
Cost of ending inventory ($/ton)	-	-	-	-	-	-	40.62	40.62

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

JANUARY 2020

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	-	-
	CONTRACT	-	$ 9,692	-
	FIXED TRANSPORTATION/ADJUSTMENTS	-	166,173	-
	TOTAL	-	175,865	-
MAYO	SPOT	-	-	-
	CONTRACT	49,072	3,151,799	$ 64.23
	FIXED TRANSPORTATION/ADJUSTMENTS	-	3,018,368	-
	TOTAL	49,072	6,170,167	125.74
ROXBORO	SPOT	51,142	3,486,488	68.17
	CONTRACT	243,066	15,603,434	64.19
	FIXED TRANSPORTATION/ADJUSTMENTS	-	12,763,262	-
	TOTAL	294,208	31,853,184	108.27
ALL PLANTS	SPOT	51,142	3,486,488	68.17
	CONTRACT	292,138	18,764,925	64.23
	FIXED TRANSPORTATION/ADJUSTMENTS	-	15,947,803	-
	TOTAL	343,280	$ 38,199,216	$ 111.28

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

JANUARY 2020

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	-	-	-	-
MAYO	7.37	8.54	12,579	2.57
ROXBORO	7.30	9.98	12,416	1.66

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

JANUARY 2020

Schedule 9

	ASHEVILLE & ASHEVILLE CC	BRUNSWICK	HARRIS	MAYO	ROBINSON	ROXBORO
VENDOR	Indigo	Hightowers Petroleum Co.	Hightowers Petroleum Co.	Greensboro Tank Farm	Hightowers Petroleum Co.	Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0	0	0
GALLONS RECEIVED	1,120,290	7,522	15,050	104,934	7,523	344,889
TOTAL DELIVERED COST	$ 2,182,138	$ 18,018	$ 36,311	$ 207,575	$ 22,551	$ 681,910
DELIVERED COST/GALLON	$ 1.95	$ 2.40	$ 2.41	$ 1.98	$ 3.00	$ 1.98
BTU/GALLON	138,000	138,000	138,000	138,000	138,000	138,000

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2019 - January, 2020
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,732,456	938	94.10	93.80
Brunswick 2	7,036,635	932	86.19	86.77
Harris 1	7,610,032	964	90.12	89.43
Robinson 2	6,374,828	743	98.01	93.34

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2019 through January, 2020
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,370,470	225	69.53	79.78
Lee Energy Complex	1B	1,359,556	227	68.37	79.37
Lee Energy Complex	1C	1,363,324	228	68.26	78.29
Lee Energy Complex	ST1	2,625,355	379	79.08	85.92
Lee Energy Complex	Block Total	6,718,705	1,059	72.42	81.57
Richmond County CC	7	1,193,616	194	70.24	80.63
Richmond County CC	8	1,176,443	194	69.23	80.22
Richmond County CC	ST4	1,345,830	182	84.41	88.52
Richmond County CC	9	1,184,547	216	62.60	70.80
Richmond County CC	10	1,201,313	216	63.49	71.47
Richmond County CC	ST5	1,604,188	248	73.84	76.83
Richmond County CC	Block Total	7,705,937	1,250	70.37	77.68
Sutton Energy Complex	1A	1,384,000	224	70.53	81.04
Sutton Energy Complex	1B	1,377,132	224	70.18	78.78
Sutton Energy Complex	ST1	1,658,457	271	69.86	86.83
Sutton Energy Complex	Block Total	4,419,589	719	70.17	82.52
Asheville CC	ACC CT5	233,628	90	29.29	99.86
Asheville CC	ACC ST6	83,787	32	29.79	95.65
Asheville CC	Block Total	317,415	276	20.60	98.82

Notes:

- Units in commercial operation for the full month are presented. Units in Pre-commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2019 through January, 2020

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,338,477	746	20.48	78.19
Roxboro 2	1,288,644	673	21.86	81.94
Roxboro 3	2,291,532	698	37.48	77.05
Roxboro 4	2,440,979	711	39.19	82.06

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2019 through January, 2020
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	643,559	192	38.51	96.53
Asheville 2	352,520	192	21.09	91.72
Roxboro 1	556,701	380	16.72	72.56

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2019 through January, 2020
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	336,432	368	88.74
Blewett CT	-593	68	96.97
Darlington CT	21,290	764	92.60
Richmond County CT	1,661,978	934	87.63
Sutton Fast Start CT	201,256	98	91.44
Wayne County CT	137,323	963	94.59
Weatherspoon CT	-186	164	84.35

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
February, 2019 through January, 2020
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	-421	27.0	0.00
Marshall	-284	4.0	2.58
Tillery	224,130	84.0	84.35
Walters	445,347	113.0	68.61

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
December, 2018 through January, 2020
Pre-commercial Combined Cycle Units

Note: The Power Plant Performance Data reports are limited to capturing data beginning the first full month a station is in commercial operation. During the months specified below, Asheville CC produced pre-commercial generation.

Production Month	Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
September 2019	Asheville	7	10,823	n/a	n/a	n/a
October 2019	Asheville	7	2,498	n/a	n/a	n/a
November 2019	Asheville	7	20,337	n/a	n/a	n/a
November 2019	Asheville	ST8	97	n/a	n/a	n/a
December 2019	Asheville	7	-	n/a	n/a	n/a
December 2019	Asheville	ST8	-	n/a	n/a	n/a
January 2020	Asheville	7	68,494	n/a	n/a	n/a
January 2020	Asheville	ST8	-	n/a	n/a	n/a

Notes:

Asheville Units 5 and ST 6 were placed in service during December 2019; pre-commercial generation for those units is presented on the Twelve Month Summary for Combined Cycle Units.